

## SHORT COMMUNICATION

# *ARIOPHANTA HUBERI* THACH, 2018 IS NOT A PULMONATE, BUT A JUVENILE *POLLICARIA ROCHEBRUNI* (MABILLE, 1887) (GASTROPODA: CYCLOPHOROIDEA: PUPINIDAE)

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**ABSTRACT:** Two new synonyms of the pupinid *Pollicaria rochebruni* (Mabille, 1887) are recognised here. Namely, *Hybocystis balansai* Mabille, 1889, and *Ariophanta huberi* Thach, 2018. The former was found in the collection of the Muséum National d'Histoire Naturelle (Paris), and was not included in the recent revision of the genus *Pollicaria*, whereas the latter was described based on a single juvenile shell somewhat reminiscent of a helicarionid shell.

**KEY WORDS:** synonym, taxonomy, Vietnam, land snail

THACH (2018) described three new genera and 132 species and subspecies of molluscs, mainly from Southeast Asia. Among them, he named *Ariophanta huberi* Thach, 2018 based on a single specimen. However, the holotype of *A. huberi* is a juvenile *Pollicaria rochebruni* (Mabille, 1887) (Pupinidae, Caenogastropoda),

not an *Ariophanta* (Ariophantidae, Heterobranchia) (BOUCHET et al. 2017). Additionally, here we report another synonym of *P. rochebruni* (*Hybocystis balansai* Mabille, 1889), which was not included in the recent revision of *Pollicaria* (KONGIM et al. 2013).

## TAXONOMIC PART

**Class:** Gastropoda  
**Subclass:** Caenogastropoda  
**Superfamily:** Cyclophoroidea Gray, 1847  
**Family:** Pupinidae L. Pfeiffer, 1853

**Genus:** *Pollicaria* Gould, 1856  
*Pollicaria* GOULD 1856: 14.

*Pollicaria rochebruni* (Mabille, 1887)  
*Hybocystis rochebruni* MABILLE 1887: 12.

*Hybocystis balansai* Mabille, 1889 **new synonym**  
*Pollicaria rochebruni*, KONGIM et al. 2013: 35–37, figs 5D–E, 6E.  
*Ariophanta huberi* Thach, 2018 (THACH 2018: 41, figs 548–549 (4 figs)) **new synonym**

**Material examined:** Mt. Bavy (Tonkin) [Ba Vi Mountain Range, northern Vietnam, northwest of Hanoi], Muséum National d'Histoire Naturelle, Paris, France (MNHN) (2 syntypes of *Hybocystis balansai*; Fig. 1); no locality, 2 syntypes of *Hybocystis*

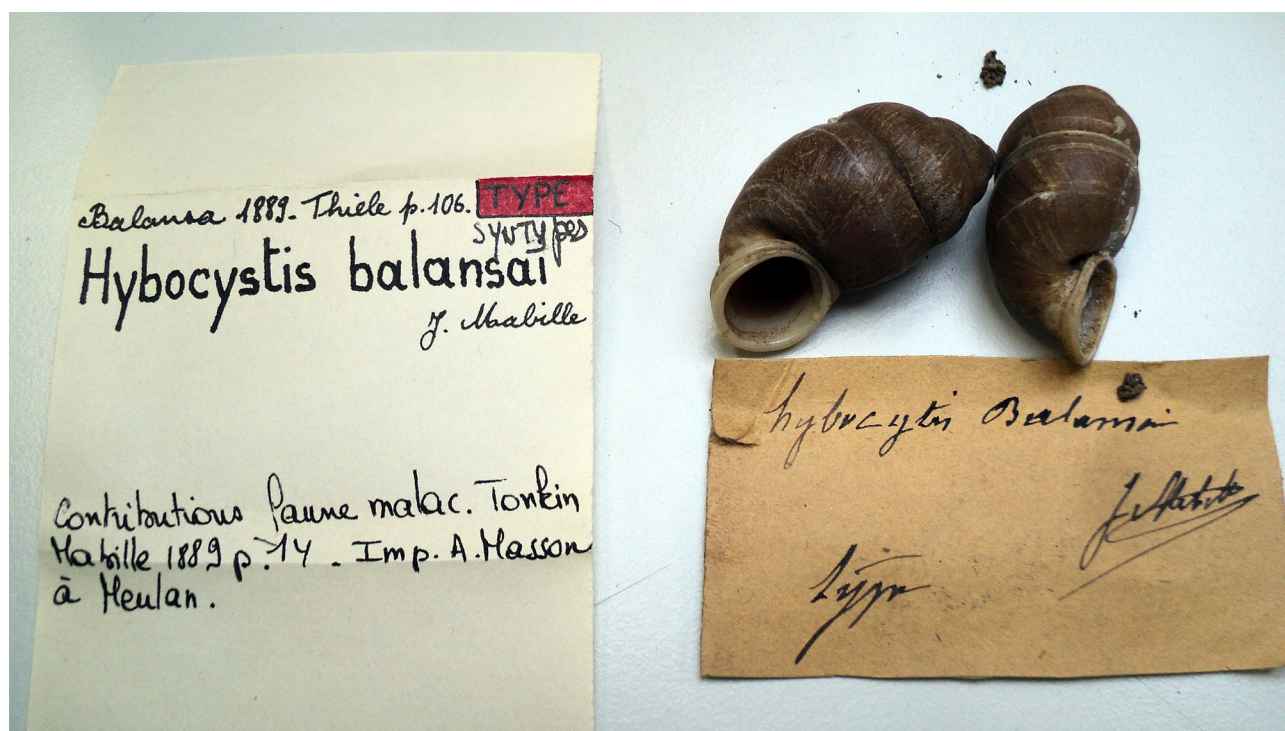


Fig. 1. Syntypes of *Hybocystis balansai* Mabille, 1889 (synonym of *Pollicaria rochebruni* (Mabille, 1887))

*balansai*, MNHN; Ninh Hòa District, Khánh Hòa Province, Vietnam, holotype of *Ariophanta huberi* (MNHM-IM-2000-34094).

**Remarks:** The holotype of *Ariophanta huberi* is a juvenile *Pollicaria* shell. A similar mistake was made by BENSON (1856), who described a juvenile shell of *Pollicaria gravis* (Benson, 1856) as *Otopoma blennus* Benson, 1856 (BENSON 1859, KONGIM et al. 2013).

*Ariophanta huberi* was described from Ninh Hòa District, Khánh Hòa Province of southern Vietnam. The geographically closest *Pollicaria* species is *Pollicaria rochebruni* (Mabille, 1887), which is reported from the vicinity of Da Nang (approx. 430 km from the type locality of *Ariophanta huberi*). Although the geographic distance and the juvenile condition of the holotype leaves some doubts about the identity of “*Ariophanta huberi*”, the size, shell colour and the generally large distributional area of *Pollicaria* species suggest that it is a synonym of *P. rochebruni*.

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*Ariophanta huberi* Thach, 2018, and *Pollicaria huberi* Thach, 2018, become secondary homonyms, because the former is described based on a juvenile *Pollicaria* shell. As First Revisers, we give precedence to the name *Pollicaria huberi* Thach, 2018, over the name *Ariophanta huberi* Thach, 2018, so we do not need to give replacement name for *Ariophanta huberi* Thach, 2018. The validity of *Pollicaria* species described by THACH (2018) are not discussed in this note.

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